

53177 to 53217—Continued.

leaves are trifoliate, with glossy, oval to oblong-acute, serrate leaflets, often having a maroon tinge. The rosy purple flowers, about 1½ inches broad, are borne few in a cluster; they are followed by oval or conical fruits 1 to 1½ inches long, crimson in color, juicy, and of pleasant sub-acid flavor. The seeds are not objectionably large nor hard. The plant is not very productive. This raspberry is worthy of a careful trial in the southern and far western parts of the United States, where it seems likely to succeed. Its productiveness can probably be increased by systematic pruning."

53187. *SOLANUM* sp. Solanaceae.

Potato.

"(No. 586. Hacienda La Rinconada, Province of Carchi, Ecuador. February 15, 1921.) Tubers of a wild potato from the mountains of Carchi, at an altitude of 12,000 feet. It grows abundantly in certain places, preferring the protection of shrubby vegetation along ravines on the páramo. The plant resembles that of the cultivated potato; the tubers, however, are rarely more than an inch long by half an inch in thickness, and they are whitish brown in color, with white flesh. They are not used by the inhabitants of this region. The plants appear to be attacked by late-blight, as are cultivated potatoes in the same region."

53188 to 53197. *SOLANUM TUBEROSUM* L. Solanaceae.

Potato.

53188. "(No. 589. Hacienda La Rinconada, Province of Carchi, Ecuador. February 16, 1921.) Tubers of *Cumara* grown at altitudes of 11,000 to 12,000 feet. This is a good variety, of commercial importance only slightly less than that of the *Cuerudas*. The tubers are long, almost white in color, with purplish areas around the deep eyes."

53189. "(No. 590. Hacienda La Rinconada, Province of Carchi, Ecuador. February 16, 1921.) Tubers of *Morada* from the Province of Carchi, where it is cultivated at altitudes of 11,000 to 12,000 feet. This is a variety of good quality, but of little commercial importance. The tubers are rather small, round, and dark purple."

For previous introduction, see S. P. I. No. 35507.

53190. "(No. 591. Hacienda La Rinconada, Province of Carchi, Ecuador. February 16, 1921.) Tubers of *Cueruda morada* (purple *Cueruda*), from the Province of Carchi, where it is cultivated at altitudes of 11,000 and 12,000 feet. Commercially one of the best and most important varieties in northern Ecuador, though it is not quite so extensively grown as *Cueruda blanca*. The tubers are oval, flattened, and purple with whitish areas around the shallow eyes; they possess excellent keeping qualities."

53191. "(No. 592. Hacienda La Rinconada, Province of Carchi, Ecuador.) Tubers of *Margarita*, from the Province of Carchi, where it is cultivated at altitudes of 10,000 and 12,000 feet. This is an important commercial variety, especially in the vicinity of Ibarra; the plants are, however, very susceptible to late-blight. The tubers are oval, flattened to an unusual degree, and of good size. The surface is pale whitish brown, with fine purplish markings, and the eyes are scarcely noticeable. The flesh is white, of excellent quality."

53192. "(No. 594. Hacienda La Rinconada, Province of Carchi, Ecuador. February 16, 1921.) Tubers of the *Rosa* potato, cultivated in the Province of Carchi, at altitudes of 11,000 to 12,000 feet. This is not an important or well-known variety. The tubers are oval, slightly flattened, deep rose in color, with shallow eyes."

53193. "(No. 595. Hacienda La Rinconada, Province of Carchi, Ecuador. February 16, 1921.) Tubers of *Cueruda blanca* (white *Cueruda*), cultivated in the Province of Carchi, at altitudes of